Appendix 7

Invertebrates of Truelove Lowland

J. Ryan

Protozoa

"It can be said that the protozoan fauna are predictable in species content—the ones here are common anywhere." (Comment by Heal while examining protozoa from meadow soil at Truelove.)

Mastigophora
- Bodonidae
  - 1 sp.
- "diflagellate"
  - 1 sp.
- Anisonemidae
  - *Entosiphon sulcata* (Dujardin) Stein

Sarcodinea
- Amoebida
  - *Limax* sp.
  - ?*Astra* sp.
  - *Centropyxis aculeata* (Ehernberg) Stein
  - *Cyphoderia aumpulla* (Ehernberg) Leidy
  - *Euglypha* sp.
  - *Nebela collaris* (Ehernberg) Leidy
  - *Plagiopyxis* sp.
  - *Trinema enchelys* (Ehernberg) Leidy
  - *T. lineare* Penard
- Haplosporea
  - Haplosporida
    - 1 sp. (host: *Branchinecta paludosa*)

Ciliophora

Ciliatea
- Holotrichia
  - *Hypotrichius* sp.

Metazoa

Porifera

Demospongidae
- Spongillidae
  - 1 sp.

Platyhelminthes

Turbellaria
- Neorhabdocoela.
- Typhloplanidae
  - 1 sp.

Cestoda
- 3 sp. (hosts: *Cepphus grylle* *Odobenus rosmarus* *Salvelinus alpinus* L.)
- Cyclophyllidia.
  - 1 sp. (host: *Dicrostonyx groenlandicus* Traill.)

Nematoda
- *Cystidicola* sp. (host: *Salvelinus alpinus*)
- *Plectus* sp.

Rotifera
- 3 terrestrial sp.
- *Filinia* sp.
- *Keratella cochlearis* (Gosse)
- *K. quadrata* (Mueller)
- *Polyarthra* sp.

Annelida
Oligochaeta
Enchytraeidae
Bryodrilus parvus (Dash)
Cernovitoviella sp.
Henlea nasuta (Eisen)
H. perpusilla (Nielsen and Christensen)
H. sp. A
Marionina sp.
M. sp.
Tardigrada
Eutardigrada
Pseudechiniscidae
Pseudechiniscus sp.
Macrobiotidae
Macrobiotus sp.
Arthropoda
Crustacea
Anostraca
Branchinectidae
Branchinecta paludosa (Mueller)
Notostraca
Lepidurus arcticus Pallas
Cladocera
Daphnidae
Daphnia pulex Leydig
Bosminidae
Bosmina coregoni Baird
Copepoda
Temoridae
Eurytemora sp. prob. *composita*
Cyclopidae
Cyclops scutifer Sars.
C. vernalis Fischer
Harpacticoididae
Attheyella nordenskioldii (Lilljeborg)
Podocopa
Cypridae
Candona compressa Koch
C. willmani Staphlin
Eucypris crassa (Mueller)
Prionocypris glacialis (Sars)
Mysidacea
Mysidae
Mysis relicta Lovén
Arachnida
Araneida
Dictynidae
Dictyna borealis Pickard-Cambridge
Lycosidae
Tarentula exasperans Pickard-Cambridge
Linyphiidae
Acartauchenius pilifrons (Koch)
Collinsia spetsbergensis (Thorell)
C. thulensis (Jackson)
Diplocephalus barbatus (Koch)
Erigone psychrophila Thorell
Hilaira vexatrix (Pickard-Cambridge)
Minyriolus pamphia Chamberlin
Typhochraestus latithorax (Strand)
Acarina
Parasitidae
Parasitus sp. nov. near *fucorum* (DeGeer)
P. sp. nov.
Laelapidae
Laelaps alaskensis species-complex (host: *Dicrostonyx* groenlandicus)
Pneumolaelaps groenlandica Traegardh (host: *Bombus polaris*)
Haemogamasidae
Haemogamasus ambulans (Thorell)
Ascidae
Arctoseius multidentatus Evans
A. ornatus Evans
Cheiroseius groenlandicus (Haarlov)
Podapolipidae
Locustacaris buchneri Stammer
Rhagidiidae
Rhagidia sp. near *hamata* (Kramer & Neum.)
Eupodidae
Cocceupodes curviclava Thor
Bdellidae
Bdella muscorum Ewing
Neomolgus littoralis (L.)
Stigmaeidae
Stigmaeus parmatus Summers
Lebertiidae
Lebertia sp.
Acaridae
Kuzinia sp. nov. near *laevis* (Dujardin)
Hermanniidae
Hermannia subglabra Berlese
Camisiidae
Camisia horrida (Hermann)
Eremaeidae
Eremaeus sp. ?

Ceratozetidae
Iugoribates gracilis Sellnick
Trichoribates lucens (Koch)
T. polaris Hammer
Insecta
Collembola
Poduridae
Anurida granaria (Nicolet)
Ceratophysella armata ? (Nicolet)
Hypogastrura sp. near *trybomi* (Schoett)
H. tullbergi (Schaeffer)
H. sp. 1 near *tullbergi*
H. sp. 2 near *tullbergi*
H. sp. 3
Micranurida pygmaea Boerner
Morulina gigantea (Tullberg)
Podura aquatica L.
Willemia anophthalma Boerner
Onychiuridae
Onychiurus groenlandicus (Tullb.)
O. sp.
Tullbergia sp. nr. *simplex* Gisin
Isotomidae
Anurophorus? sp.
Folsomia bisetosa Gisin
F. duodecimsetosa Hammer
F. fimetaria (L.)
F. quadrioculata (Tullberg)
F. regularis Hammer
Isotoma notabilis Schaeffer var. *pallida* Agrell
I. olivacea Tullberg
I. violacea Tullberg
I. sp. n.
Isotomurus palustris (Mueller)
Proisotoma sp. n.
Entomobryidae
Entomobrya comparata Folsom
Sminthuridae
Megalothorax minimus (Willam)
Sminthurides malmgreni (Tullberg)
Sphaeridia sp. prob. *pumilis* (Kraus.)
Phthiraptera
Philopteridae
Anaticola rubromaculatus Rudow (host: *Sommateria mollissima*)
Anatoecus sp. (host: *Chen nivalis*)
Philopterus sp. (host: *Plectrophenax nivalis*)
Saemundssonia prob. *cephalus* (Denny) (prob. host: *Stercorarius parasiticus*)
Echinophthiriidae
Antarctophthirus trichechi Bohemann (host: *Odobenus rosmarus*)
Heteroptera
Pseudococcidae
Chorizococcus altoarcticus Richards
Coleoptera
Carabidae
Amara alpina Paykull
Dytiscidae
Hydroporus polaris Fall
Staphylinidae
Gynpeta sp.
Trichoptera
Limnephilidae
Apatania zonella Zett.
Lepidoptera
Nymphalidae
Boloria chariclea Schneid.
B. polaris Bdv.
Noctuidae
Anarta richardsoni Curtis
Lasiestra sp.
Sympistris labradoris Staud.
Lymantriidae
Gynaephora (=*Byrdia*) *groenlandica* (Homeyer)
G. (=*B.*) *rossii* (Curtis)
Geometridae
Dasyuris polata Dyp.
Psychophora sabini Kirby
Pyralidae
Udea torvalis Moesch.
Pterophoridae
Stenoptilia mengeli Fern.
Olethreutidae
Aphania frigidana Pack
Olethreutes inquietana Wlk.
O. mengelana Fern.
Diptera
Trichoceridae
Trichocera columbiana Alex.
T. borealis Lackschewitz

Tipulidae
Dactylolabis rhicnoptiloides (Alex.)
Nephrotoma lundbecki (Nielsen)
Tipula arctica Curtis
T. thulensis Alex.
Culicidae
Aedes impiger (Walker)
A. nigripes (Zetterstedt)
Ceratopogonidae
Ceratopogon (Isohelea) sp.
Chironomidae
Chaetocladius holmgreni (Jacobsen)
Corynoneura sp.
Cricotopus tibialis (Meigen)
C. sp.
Diamesa arctica (Boheman)
D. germinata Kieffer
D. simplex Kieffer
Diplocladius bilobatus Brundin
Heterotrissocladius subpilosus (Kieffer)
Limnophyes sp.
Metriocnemus sp.
Orthocladius (Eudactylocladius) mixtus (Holmgren)
O. (E.) sp.
Paracladius alpicola (Zett.)
Parakiefferiella sp.
Paraphaenocladius despectus (Kieffer)
Procladius culiciformis (Linne)
Psectrocladius sp. (Edw.)
Smittia velutina (Lundbeck)
Thienemanniella sp.
Trissocladius sp.
Mycetophilidae
Boletina sp. 21
Bolitophila n. sp.
Exechia frigida (Boh.)
Sciaridae
Bradysia spp. (about 4-5 spp.)
Cecidomyidae
Campylomyza sp.
Empididae
Clinocera n. sp.
Rhamphomyia hoeli Frey
R. nigrita Zett.
Dolichopodidae
Dolichopus humilis (Van Duzee)
Syrphidae
Melanostoma n. sp.
Piophilidae
Arctopiophila arctica Holmgren
Piophila fulviceps Holmgren
Heleomyzidae
Aecothea specus (Aldrich)
Neoleria prominens (Becker)
Scatophagidae
Allomyella unguiculata Mall.
Scatophaga apicalis Curtis
S. nigripalpis Becker
Muscidae
Spilogona almquisti (Holmgren)
S. deflorata (Holmgren)
S. dorsata (Zett.)
S. latilamina (Collin)
S. melanosoma (Huckett)
S. obsoleta (Mall.)
S. tundrae (Schnabl.)
Anthomyidae
Fucellia ariciiformis Holmgren
F. pictipennis Becker
Hylemya (Delia) fasciventris Ringdahl
Calliphoridae
Boreellus atriceps (Zett.)
Protocalliphora sapphira (Hall) (host: *Plectrophenax nivalis*)
Protophormia terraenovae (R.D.)
Tachinidae
Spoggosia gelida (Coq.) (hosts: *Gynaephora groenlandica* & *G. rossii*)
Hymenoptera
Tenthredinidae
Amauronematus nr. *abnormus*
A. nr. *alpacola*
A. nr. *anthracinus*
A. nr. *atratus*
A. nr. *coracinus*
A. nr. *histrio*
A. nr. *leucolaenus*
A. nr. *mcluckliei*
A. nr. *opacipleuris*
Pristiphora n. sp.
Braconidae
Apanteles n. sp. 130
A. n. sp. 133 (host: *Anarta richardsoni*)
Microplitis n. sp.
Oresbius tibialis Tow.
O. Trifasciatus Ashm.
O. n. sp.

Rogas n. sp. (host: *Gynaephora groenlandica* & *G. rossii*)
Ichneumonidae
Atractodes spp. (several spp.)
Bathythrix n. sp.
Campoletis spp. (2 spp.)
Cryptus leechi Mason
Diadegma sp.
Glypta sp.
Hyposoter sp.
Ichneumon lariae Curtis
I. n. sp.
Mesoleius n. sp.
Orthocentrus sp.
Plectiscus n. sp.
Stenomacrus femoralis Holmgren
S. sp. *U*
S. sp.
Trathala n. sp.
Encyrtidae
Copidosoma sp.
Pteromalidae
Seladerma n. sp.
Apidae
Bombus (Alpinobombus) polaris Curtis

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